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V Semester B.C.A. Degree Examination, February/March - 2024

COMPUTER SCIENCE

Data Mining

(NEP Scheme 2021)

Time : 2½ Hours

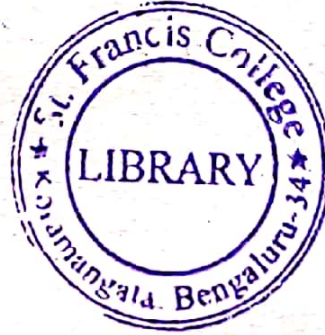
Maximum Marks : 60

Instructions to Candidates:

Answer all parts.

PART - A**I.** Answer the **FOUR** questions. Each question carries **Two** marks. (4×2=8)

1. Define data mining.
2. What is prediction?
3. What is Regression?
4. Define outliers.
5. What is parallel algorithm?
6. What is spanning tree?

**PART - B****II.** Answer any **FOUR** questions. Each question carries **Five** marks. (4×5=20)

7. Compare data mining and knowledge discovery in databases.
8. Discuss the data mining issues.
9. Explain K-nearest algorithm with example.
10. Explain any one of the decision tree algorithms with example.
11. Explain outlier in detail with examples.
12. Explain Apriori algorithm with examples.

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PART - C

III. Answer any **FOUR** questions. Each question carries **Eight** marks.

(4×8=32)

13. Explain data mining from a database perspective.
 14. Explain CART in detail.
 15. Explain K-means clustering algorithm with examples.
 16. What is hierarchical clustering? Explain in detail and give example.
 17. What is large item - sets? Explain in detail.
 18. Write a note on data parallelism.
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